

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	882	29/558.ccls.	US-PGPUB; USPAT	ADJ	OFF	2010/06/08 16:28
S1	1	("5635306").PN.	US-PGPUB; USPAT	OR	OFF	2009/07/30 16:36
S2	4	52/793.1 and "corrugated core"	US-PGPUB; USPAT	ADJ	ON	2009/07/30 16:42
S3	20	(52/793.1 or 428/593 or 428/603 or 228/181 or 29/897.32) and "corrugated core"	US-PGPUB; USPAT	ADJ	ON	2009/07/30 16:52
S4	1	("4832998").PN.	US-PGPUB; USPAT	OR	OFF	2009/07/31 08:00
S5	160	(52/793.1 or 428/593 or 428/603 or 228/181 or 29/897.32) and corrugated and hole	US-PGPUB; USPAT	ADJ	ON	2009/07/31 08:16
S6	12	(52/793.1 or 428/593 or 428/603 or 228/181 or 29/897.32) and (corrugated ADJ5 hole)	US-PGPUB; USPAT	ADJ	ON	2009/07/31 08:17
S8	5	((("2839442") or ("3317074") or ("3644158") or ("3695968") or ("4162341"))).PN.	US-PGPUB; USPAT	OR	OFF	2009/07/31 11:00
S9	8	((("2644777") or ("3108367") or ("3196533") or ("3529394") or ("3991242") or ("4143501") or ("4197341") or ("4223053"))).PN.	US-PGPUB; USPAT	OR	OFF	2009/07/31 11:01
S10	4	((("2609315") or ("3017971") or ("3678558") or ("3821999"))).PN.	US-PGPUB; USPAT	OR	OFF	2009/07/31 11:34
S11	0	(52/793.1 or 428/593 or 428/603 or 228/181 or 29/897.32) and corrugated and "pilot hole"	US-PGPUB; USPAT	ADJ	ON	2009/07/31 11:40

S12	48	(52/793.1 or 428/593 or 428/603 or 228/181 or 29/897.32) and ((corrugated or honeycomb) adj5 hole)	US-PGPUB; USPAT	ADJ	ON	2009/07/31 11:49
S17	2	((("10004254") or ("2001232431"))).PN.	US-PGPUB; USPAT; JPO	OR	OFF	2009/08/03 11:08
S18	1852	(honeycomb or "sandwich panel" or corrugated) adj5 hole	US-PGPUB; USPAT	ADJ	ON	2009/08/03 11:25
S19	1830	(honeycomb or corrugated) adj5 hole	US-PGPUB; USPAT	ADJ	ON	2009/08/03 11:25
S20	1	(honeycomb or corrugated) adj5 "pilot hole"	US-PGPUB; USPAT	ADJ	ON	2009/08/03 11:26
S21	40	(52/793.1 or 428/593 or 428/603 or 228/181 or 29/897.32) and ("corrugated core" or honeycomb) adj5 hole	US-PGPUB; USPAT	ADJ	ON	2009/08/03 11:27
S22	79	(52/793.1 or 428/593 or 428/603 or 228/181 or 29/897.32) and ("corrugated core" or honeycomb) adj5 diameter	US-PGPUB; USPAT	ADJ	ON	2009/08/03 11:29
S23	13	(52/793.1 or 428/593 or 428/603 or 228/181 or 29/897.32) and ("corrugated core" or honeycomb) adj5 (hole and diameter)	US-PGPUB; USPAT	ADJ	ON	2009/08/03 11:30
S24	0	(52/793.1 or 428/593 or 428/603 or 228/181 or 29/897.32) and "corrugated core" adj5 (hole and diameter)	US-PGPUB; USPAT	ADJ	ON	2009/08/03 11:34
S25	0	(52/793.1 or 428/593 or 428/603 or 228/181 or 29/897.32) and "sandwich panel" adj5 (hole and diameter)	US-PGPUB; USPAT	ADJ	ON	2009/08/03 11:34
S26	3	(52/793.1 or 428/593 or 428/603 or 228/181 or 29/897.32) and "sandwich panel" adj5 hole	US-PGPUB; USPAT	ADJ	ON	2009/08/03 11:34
S27	0	(52/793.1 or 428/593 or 428/603 or 228/181 or 29/897.32) and crimp adj5 hole	US-PGPUB; USPAT	ADJ	ON	2009/08/03 11:36

S28	1	(52/793.1 or 428/593 or 428/603 or 228/181 or 29/897.32) and crimp adj10 hole	US-PGPUB; USPAT	ADJ	ON	2009/08/03 11:36
S29	1	(52/793.1 or 428/593 or 428/603 or 228/181 or 29/897.32) and "sheet material" and "corrugated core" adj10 (hole or puncture or opening)	US-PGPUB; USPAT	ADJ	ON	2009/08/03 11:39
S30	1	(48/73 or 428/178 or 181/284 or 156/210 or 93/1 or 52/793.1 or 428/593 or 428/603 or 228/181 or 29/897.32) and "sheet material" and "corrugated core" adj10 (hole or puncture or opening)	US-PGPUB; USPAT	ADJ	ON	2009/08/03 11:41
S31	2	"sheet material" and "corrugated core" adj10 (hole or puncture or opening)	US-PGPUB; USPAT	ADJ	ON	2009/08/03 11:41
S32	10	"corrugated core" adj10 (hole or puncture or opening)	US-PGPUB; USPAT	ADJ	ON	2009/08/03 11:42
S33	21	"corrugated core" adj10 (diameter)	US-PGPUB; USPAT	ADJ	ON	2009/08/03 11:44
S34	11	((10/579539) or (10/581368) or (10/581457) or (10/581687) or (10/582228) or (10/582608) or (10/582784)).APP.	US-PGPUB; USPAT	OR	OFF	2009/08/03 14:31
S35	1	("3158527").PN.	US-PGPUB; USPAT	OR	OFF	2009/08/03 15:11
S36	4	("3158527").URPN.	USPAT	ADJ	ON	2009/08/03 15:13
S37	13	("3775234").URPN.	USPAT	ADJ	ON	2009/08/03 15:16
S38	29	"3341395"	USPAT	ADJ	ON	2009/08/03 15:28
S39	1	("3341395").PN.	US-PGPUB; USPAT	OR	OFF	2009/08/03 15:28
S40	1	("4227356").PN.	US-PGPUB; USPAT	OR	OFF	2009/08/03 15:30
S41	15	("4227356").URPN.	USPAT	ADJ	ON	2009/08/03 15:33

S42	1	("4227356").PN.	US-PGPUB; USPAT	OR	OFF	2009/08/03 15:36
S43	15	("4227356").URPN.	USPAT	ADJ	ON	2009/08/03 15:36
S44	28	("3341395").URPN.	USPAT	ADJ	ON	2009/08/03 15:36
S45	24	((10/581368) or (10/581457) or (10/582228) or (10/582608) or (10/582784) or (10/009921) or (10/110576) or (10/579539) or (10/579764) or (10/581368) or (10/581457) or (10/581687) or (10/582228) or (10/582608) or (10/582784) or (09/814618) or (10/031031) or (10/656700) or (10/717191) or (10/895977) or (10/962444) or (11/426577) or (11/581230) or (11/692608) or (60/407969) or (60/427966)).APP.	US-PGPUB; USPAT	OR	OFF	2009/08/03 15:58
S46	0	029/897.ccls	US-PGPUB; USPAT	ADJ	ON	2009/08/04 09:12
S47	0	29/897.ccls	US-PGPUB; USPAT	ADJ	ON	2009/08/04 09:13
S48	129	52/673	US-PGPUB; USPAT	ADJ	ON	2009/08/04 09:21
S49	1386	428/182	US-PGPUB; USPAT	ADJ	ON	2009/08/04 09:28
S50	0	428/182.ccls and (hole or perforated)	US-PGPUB; USPAT	ADJ	ON	2009/08/04 09:29
S51	434	428/182 and (hole or perforated)	US-PGPUB; USPAT	ADJ	ON	2009/08/04 09:29
S52	933	428/182.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/08/04 09:32
S53	227	428/182.ccls. and (perforated or hole)	US-PGPUB; USPAT	ADJ	ON	2009/08/04 09:33

S54	182	428/182.ccls. and (perforated or hole) and (honeycomb or corrugated)	US-PGPUB; USPAT	ADJ	ON	2009/08/04 09:36
S55	1	"4150850".PN.	USPAT; USOCR	ADJ	ON	2009/08/04 09:54
S56	0	428/3.4.4.ccls. and (perforated or hole) and (honeycomb or corrugated)	US-PGPUB; USPAT	ADJ	ON	2009/08/04 10:26
S57	99	428/304.4.ccls. and (perforated or hole) and (honeycomb or corrugated)	US-PGPUB; USPAT	ADJ	ON	2009/08/04 10:26
S58	1	("4877671").PN.	US-PGPUB; USPAT	OR	OFF	2009/08/12 13:24
S59	737	252/513.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/08/12 15:31
S60	0	252/513.ccls. and corrugated	US-PGPUB; USPAT	ADJ	ON	2009/08/12 15:31
S61	0	252/513.ccls. and corrugat \$	US-PGPUB; USPAT	ADJ	ON	2009/08/12 15:31
S62	5	252/513.ccls. and honeycomb	US-PGPUB; USPAT	ADJ	ON	2009/08/12 15:32
S63	73	252/513.ccls. and panel	US-PGPUB; USPAT	ADJ	ON	2009/08/12 15:39
S64	0	"156""."."196".ccls.	US-PGPUB; USPAT	ADJ	ON	2009/08/13 07:49
S65	780	156/196.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/08/13 07:49
S67	16	156/196.ccls. and corrugat \$ and hole	US-PGPUB; USPAT	ADJ	ON	2009/08/13 07:50
S68	60	156/196.ccls. and corrugat \$	US-PGPUB; USPAT	ADJ	ON	2009/08/13 13:19
S69	7	("5270095").URPN.	USPAT	ADJ	ON	2009/08/13 14:19
S70	7	("2050074" "3068565" "3432379" "4461796").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/13 14:47
S71	517	428/117.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/08/13 15:14
S72	65	428/117.ccls. and corrugat \$	US-PGPUB; USPAT	ADJ	ON	2009/08/13 15:14
S73	21	428/117.ccls. and corrugat \$ and (puch or hole)	US-PGPUB; USPAT	ADJ	ON	2009/08/13 15:15
S74	462	"19800512".ad.	US-PGPUB; USPAT	ADJ	ON	2009/08/13 15:20

S75	1	"Balsa-Core Sandwich Laminate".ti.	US-PGPUB; USPAT	ADJ	ON	2009/08/13 15:21
S76	13	("4343846").URPN.	USPAT	ADJ	ON	2009/08/13 15:26
S77	49	428/220.ccls. and corrugat \$ and (puch or hole)	US-PGPUB; USPAT	ADJ	ON	2009/08/13 15:33
S78	17	156/197.ccls. and corrugat \$ and (puch or hole)	US-PGPUB; USPAT	ADJ	ON	2009/08/13 15:35
S79	13	156/209.ccls. and corrugat \$ and (puch or hole)	US-PGPUB; USPAT	ADJ	ON	2009/08/13 15:37
S80	162	("1651539" "20020020142" "20020053176" "20030154679" "20040103980" "20050095936" "20060112655" "20060254179" "20060254204" "20060254205" "20060254206" "20060260269" "20060260270" "20060260271" "20060260272" "2101836" "2220596" "2333343" "2419971" "2779851" "2786004" "2879554" "3024879" "3112533" "3314846" "3381438" "3384519" "3390034" "3413765" "3432379" "3461632" "3542636" "3669820" "3689345" "3738083" "3741859" "3749636" "3762977" "3789567" "3819465" "3819466" "3892898" "3974607" "4020205" "4034135" "4086739" "4103467" "4137111" "4197151" "4221373" "4223053" "4237663" "4315962" "4353947" "4384178" "4412687" "4438613" "4530197" "4546584" "4595187" "4672780" "4709435" "4738083" "4838380" "4840828" "4852316" "4909003" "4916027" "4921744" "4991373" "5024131" "5028474" "5128195"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/13 15:42

		"5147710" "5182158" "5228936" "5240533" "5256467" "5270092" "5270095" "5287668" "5366787" "5424113" "5430982" "5433053" "5452830" "5459291" "5482750" "5485704" "5543204" "5567504" "5670220" "5685124" "5715644" "5768851" "5791118" "5792539" "5824973" "5830548" "5832685" "5833332" "5840413" "5846038" "5860257" "5875609" "5876835" "5942080" "5942288" "5972434" "5992127" "6052966" "6067764" "6079172" "6080495" "6103336" "6158179" "6171654" "6199337" "6209273" "6296469").PN. OR ("6345486" "6416842" "6443257" "6461464" "6511730" "6550622" "6656858" "6662503" "6673057" "6673136" "6712747" "6740279" "6797167" "6870092" "6878433" "6946528" "6982020" "7047705" "7051489" "7096629"). PN. OR ("7398624"). URPN.				
S81	1	(10/582784).APP.	US-PGPUB; USPAT	OR	OFF	2009/08/13 16:22
S82	1864	airbus.as.	US-PGPUB; USPAT	ADJ	ON	2009/08/13 16:32
S83	41	airbus.as. and corrugat\$	US-PGPUB; USPAT	ADJ	ON	2009/08/13 16:33
S84	22	airbus.as. and corrugat\$ and panel	US-PGPUB; USPAT	ADJ	ON	2009/08/13 16:33
S85	0	("2007/0080482").URPN.	USPAT	ADJ	ON	2009/08/13 16:35
S86	0	("2007/0080482").URPN.	USPAT	ADJ	ON	2009/08/13 16:36
S87	362	29/897.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/08/27 10:13
S88	2	corrugat\$ same (punch or drill or hole)	US-PGPUB; USPAT	ADJ	ON	2009/08/27 10:30

S89	21	("2369658" "3228820" "3274046" "3467569" "3931429" "4020207" "4091142" "4150850" "4358498" "4425396" "4476183" "4500596"). PN. OR ("4877671"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/27 10:32
S90	1	("6711872").URPN.	USPAT	ADJ	ON	2009/08/27 10:33
S91	50	("1625061" "2973295" "3106503" "3170827" "3192099" "3246058" "3249659" "3445322" "3497409" "3616590" "3755038" "3787276" "3905443" "3998024" "4048373" "4150850" "4162341" "4351870" "4602466" "4603531" "4736566" "4861642" "4877671" "4917742" "5063100" "5128195" "5288538" "5309690" "5338594" "5373674" "5518796" "5543204" "5545458" "5679433" "5753340" "5776579" "5888612" "6061993"). PN. OR ("6711872"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/27 10:33
S92	21	("5128195" "5162143" "5348601" "5393588"). PN. OR ("5543204"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/27 10:35
S93	42	("2608502" "2744042" "2973295" "3170471" "3526556" "3614848" "3615974" "3616158" "3644158" "3834962" "4025681" "4297154" "4602466" "4885190"). PN. OR ("5288538"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/27 10:38
S94	21	("2973295").URPN.	USPAT	ADJ	ON	2009/08/27 10:46
S95	13	("3186896" "3445322" "4002119" "4565468"). PN. OR ("5063100"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/27 11:23

S96	21	("2369658" "3228820" "3274046" "3467569" "3931429" "4020207" "4091142" "4150850" "4358498" "4425396" "4476183" "4500596"). PN. OR ("4877671"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/27 11:25
S97	39	("2205950" "2277286" "2393173" "3016713" "3111006" "3169075" "3186896" "3298987" "3630937" "3664904" "3772893").PN. OR ("4048373").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/27 11:26
S98	4	("3787276").URPN.	USPAT	ADJ	ON	2009/08/27 11:28
S99	1	("3341395").PN.	US-PGPUB; USPAT	OR	OFF	2009/08/27 11:29
S100	28	("3341395").URPN.	USPAT	ADJ	ON	2009/08/27 11:29
S101	78	("0975121" "1295769" "1405042" "1698891" "20010010167" "20020184936" "20030037586" "20040134250" "20040206152" "20050005670" "20050061049" "20050064138" "20050097937" "20050126110" "2127618" "2480034" "2560786" "3039414" "3258380" "3341395" "3353639" "3361320" "3538982" "3756499" "3779282" "3788934" "3854859" "3882653" "3938657" "3963170" "4004334" "4058813" "4166565" "4215194" "4289290" "4559259" "4628661" "4837066" "5148900" "5157852" "5225799" "5239741" "5390782" "5524396" "5568680" "5692672" "5701780" "5709913" "5789050" "5885676" "6132349" "6210037" "6412325" "6481259" "6599601" "6640605"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/27 11:31

		"6643561" "6658316" "6837334" "6877349" "7032426" "7152449" "7152450" "7374810"). PN. OR ("7534501"). URPN.				
S102	1	("4227356").PN.	US-PGPUB; USPAT	OR	OFF	2009/08/27 13:05
S103	29	("1115593" "1177361" "2694025" "3135069" "3174887" "3246058" "3345245").PN. OR ("4227356").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/27 13:06
S104	32	("4150186" "4227356" "4479992" "4886696" "5057176").PN. OR ("5503903").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/27 13:07
S105	37	("2043988" "3293107" "3507355" "4077821" "4119451" "4119749" "4131702" "4150186" "4227356" "4242172" "4479992").PN. OR ("4886696").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/27 13:10
S106	1	("2002127278").PN.	JPO	OR	OFF	2009/08/27 13:21
S107	0	cn101440638	DERWENT	ADJ	ON	2009/08/27 13:23

EAST Search History (I nterference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	316	29/897.ccls.	USPAT; UPAD	ADJ	OFF	2010/06/08 16:29
L3	272	29/897.3.ccls.	USPAT; UPAD	ADJ	OFF	2010/06/08 16:30
L4	137	29/897.312.ccls.	USPAT; UPAD	ADJ	OFF	2010/06/08 16:30
L5	167	29/897.32.ccls.	USPAT; UPAD	ADJ	OFF	2010/06/08 16:30
L6	726	29/557.ccls.	USPAT; UPAD	ADJ	OFF	2010/06/08 16:31
L7	775	29/558.ccls.	USPAT; UPAD	ADJ	OFF	2010/06/08 16:31
L8	289	156/470.ccls.	USPAT; UPAD	ADJ	OFF	2010/06/08 16:32
L9	132	156/471.ccls.	USPAT; UPAD	ADJ	OFF	2010/06/08 16:33
L10	144	156/472.ccls.	USPAT; UPAD	ADJ	OFF	2010/06/08 16:33
L11	106	156/473.ccls.	USPAT; UPAD	ADJ	OFF	2010/06/08 16:34
L12	861	428/182.ccls.	USPAT; UPAD	ADJ	OFF	2010/06/08 16:34
L13	1674	428/304.4.ccls.	USPAT; UPAD	ADJ	OFF	2010/06/08 16:35

6/ 8/ 2010 5:02:48 PM

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